# This Page Is Inserted by IFW Operations and is not a part of the Official Record

#### **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

SMALL-SIZED MOTOR	
Patent Number:	JP61161947
Publication date:	1986-07-22
Inventor(s):	FUJISAKI KIYONORI; others: 01
Applicant(s)::	KIYONORI FUJISAKI; others: 01
Requested Patent:	
Application Number:	JP19850001885 19850109
Priority Number(s):	
IPC Classification:	H02K23/54
EC Classification:	
Equivalents:	
Abstract	
PURPOSE:To increase a rotary force and to reduce a cost by bonding a magnetic material split plate to the opposed surfaces of permanent magnets of a plurality of armature coils, bonding a magnetic disk on the surfaces of opposite side, and forming a frame of a nonmagnetic material.  CONSTITUTION:In a flat motor in which a flat armature 2 and a permanent magnet 4 are opposed through an axial air gap, armature coils 34 are formed by winding conductive wires of foils 33 around a core 9, and split plates 35 made of magnetic materials are bonded to the opposed surface to the magnet. A disk 35 made of a magnetic material is bonded over the entire coil to the surface of the opposite side. Further, frames 6, 7 are formed of a nonmagnetic material, and a magnetic circuit is formed of a mounting plate 13, the magnet 4, the plate 35, the armature 2 and the disk 36. Thus, the frame can be formed of synthetic resin, and inexpensively assembled readily.	
Data supplied from the esp@cenet database - I2	

BEST AVAILABLE COPY

図面は本発明の実施例に係り、第1図は偏平形モ ータの完成状態における部分縦断面図、第2図は 偏平形モータの分解斜視図、第3図は2分割され た界磁用永久磁石と回転状態における電機子との 相互関係を示す正面図、第4図は第3図に示すも のの平面図、第5図は4分割された永久磁石と回 転状態における電機子の相互関係を示す正面図、 第6図は第5図に示すものの平面図、第7図は第 1図のVI-VI矢視電機子の円板を省略した状態に おける正面図、第8図は第7図の唯一唯矢視縦断 面図、第9図から第11図は電機子コイル用鉄心 、の製造方法に係り、第9図は薄板を芯金に巻き付 ける状態を示す斜視図、第10回は断面円形に完 成した鉄心コイルのプレス工程の前段を示す正面 図、第11図は同じくプレス工程の後段を示す正 面図、第12図は完成した電機子コイル用鉄心の 斜視図、第13図はモータケース7の内側から見 た正面図、第14図は第13図に示すものの平面 図、第15図は第13図に示すものの縦断面図、 第16図はモータケース6を内側から見た正面図

、第17図は第16図に示すものの平面図、第 18図は第16図に示すものの縦断面図である。

1 は偏平形モータ、2 は電機子、3 はエアギャップ、4 は永久磁石、6. 7 はモータケース、9 は鉄心、1 3 は取付板、3 3 は源電線又は薄電箱、3 4 は電機子コイル、3 4 a は表面、3 4 b は 裏面、3 5 は分割板、3 6 は円板である。

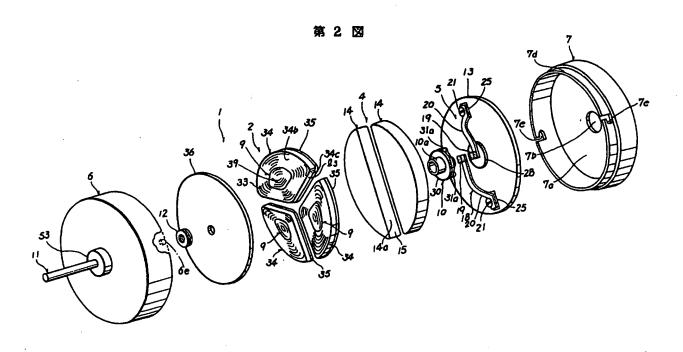
 特許出願人
 藤 崎 清 則

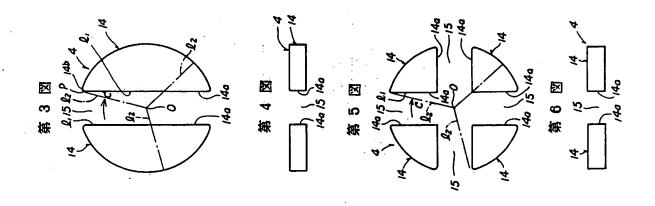
 \*
 小 林 寿 夫

第 1 図

-283-

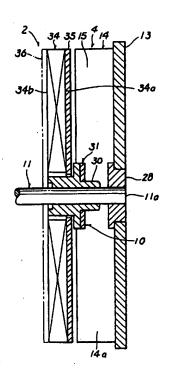
### 特開昭61-161947(8)

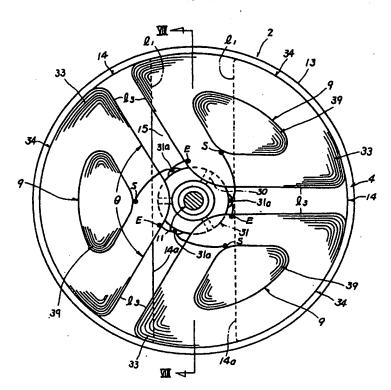


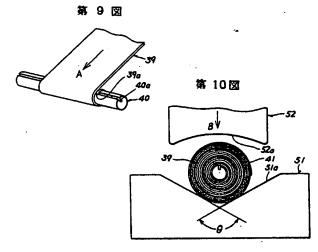


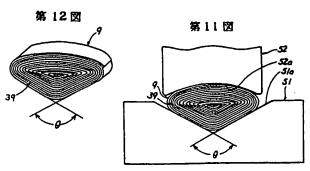
第 8 図

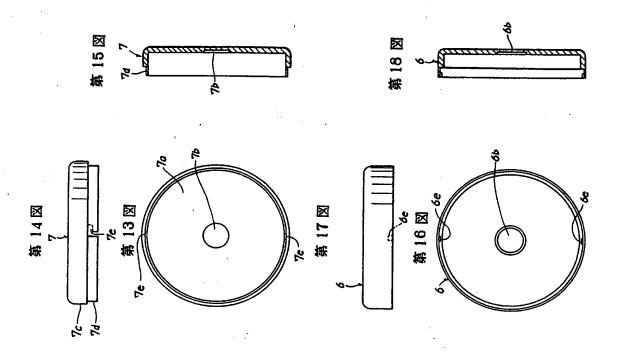












# BEST AVAILABLE COPY